

What is claimed is:

- 1) A tool drive system comprising, in combination:
  - a) at least one rotatable first shaft, comprising at least one first gear, having at least one first axis of rotation;
  - b) at least one rotatable second shaft, comprising at least one second gear, having at least one second axis of rotation;  
and
  - c) at least one movement transferer structured and arranged to rotate said at least one rotatable second shaft when said at least one rotatable first shaft is rotated;
  - d) wherein said at least one movement transferer further comprises
    - i) at least one connector structured and arranged to connect said at least one rotatable first shaft and said at least one rotatable second shaft,
    - ii) at least one angle setter structured and arranged to set at least one angle between said at least one first axis of rotation and said at least one second axis of rotation, and
    - iii) at least one balancer structured and arranged to use opposed gear plates to balance torque transfer between said at least one first gear and said at least one second gear.

- 2) The tool drive system according to Claim 1 wherein said at least one rotatable first shaft further comprises at least two first shafts, each respective shaft comprising at least one first gear, having at least one first axis of rotation.
- 3) The tool drive system according to Claim 2 wherein said angle setter comprises a positive lock structured and arranged to positively positionally lock the at least one angle.
- 4) The tool drive system according to Claim 3 wherein said at least one angle setter comprises at least one housing structured and arranged to positionally stabilize the at least one angle.

- 5) The tool drive system according to Claim 4 further comprising:
- a) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
  - b) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate.
- 6) The tool drive system according to Claim 1 wherein said at least one connector comprises:
- a) at least one bar, having at least one bar axis perpendicular to both said at least one first axis of rotation and said at least one second axis of rotation;
  - b) wherein both said at least one rotatable first shaft and said at least one rotatable second shaft are rotatably mounted to said bar.

- 7) The tool drive system according to Claim 1 wherein said at least one angle setter comprises at least one positive lock structured and arranged to positively positionally lock the at least one angle.
- 8) The tool drive system according to Claim 1 further comprising:
- a) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
  - b) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate;
  - c) wherein said at least one angle setter comprises at least one housing structured and arranged to positionally stabilize the at least one angle.

- 9) A tool drive system comprising, in combination:
- a) at least one rotatable first shaft, comprising at least one first gear, having at least one first axis of rotation;
  - b) at least one rotatable second shaft, comprising at least one second gear, having at least one second axis of rotation;
  - and
  - c) at least one movement transferer structured and arranged to rotate said at least one rotatable second shaft when said at least one rotatable first shaft is rotated;
  - d) wherein said at least one movement transferer further comprises
    - i) at least one connector structured and arranged to connect said at least one rotatable first shaft and said at least one rotatable second shaft, and
    - ii) at least one angle setter structured and arranged to set at least one angle between said at least one first axis of rotation and said at least one second axis of rotation; and
  - e) wherein said at least one connector comprises at least one bar, having at least one bar axis perpendicular to both said at least one first axis of rotation and said at least one second axis of rotation, and

- f) wherein both said at least one rotatable first shaft and said at least one rotatable second shaft are rotatably mounted to said bar.
- 10) The tool drive system according to Claim 9 wherein said at least one angle setter comprises at least one positive lock structured and arranged to positively positionally lock the at least one angle.
- 11) The tool drive system according to Claim 9 further comprising:
- a) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
  - b) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate;
  - c) wherein said at least one angle setter comprises at least one housing structured and arranged to positionally

stabilize the at least one angle.

- 12) A tool drive system comprising, in combination:
- a) at least one rotatable first shaft, comprising at least one first gear, having at least one first axis of rotation;
  - b) at least one rotatable second shaft, comprising at least one second gear, having at least one second axis of rotation;
  - and
  - c) at least one movement transferer structured and arranged to rotate said at least one rotatable second shaft when said at least one rotatable first shaft is rotated;
  - d) wherein said at least one movement transferer further comprises
    - i) at least one connector structured and arranged to connect said at least one rotatable first shaft and said at least one rotatable second shaft, and
    - ii) at least one angle setter structured and arranged to set at least one angle between said at least one first axis of rotation and said at least one second axis of rotation; and
  - e) wherein said at least one angle setter comprises at least one positive lock structured and arranged to positively positionally lock the at least one angle.



13) The tool drive system according to Claim 12 further comprising:

- a) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
- b) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate;
- c) wherein said at least one angle setter comprises at least one housing structured and arranged to positionally stabilize the at least one angle.

- 14) The tool drive system according to Claim 13 wherein:
- a) said at least one housing comprises a circular periphery;
  - b) said circular periphery comprises a set of evenly-spaced teeth;
  - c) at least one of said at least one rotatable first shaft and at least one rotatable second shaft comprises at least one shaft housing element comprising at least one shaft housing tooth structured and arranged to fit between a pair of said evenly-spaced teeth; and
  - d) said at least one shaft housing tooth is removably engagable with said evenly-spaced teeth, wherein the user may set said at least one angle.

- 15) A tool drive system comprising, in combination:
- a) at least one rotatable first shaft, comprising at least one first gear, having at least one first axis of rotation;
  - b) at least one rotatable second shaft, comprising at least one second gear, having at least one second axis of rotation;
  - c) at least one movement transferer structured and arranged to rotate said at least one rotatable second shaft when said at least one rotatable first shaft is rotated;
  - d) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
  - e) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate;

- f) wherein said at least one movement transferer further comprises
    - i) at least one connector structured and arranged to connect said at least one rotatable first shaft and said at least one rotatable second shaft, and
    - ii) at least one angle setter structured and arranged to set at least one angle between said at least one first axis of rotation and said at least one second axis of rotation; and
  - g) wherein said at least one angle setter comprises at least one housing structured and arranged to positionally stabilize the at least one angle.
- 16) The tool drive system according to Claim 15 wherein:
- a) said at least one gear plate comprises N unique circular sets of gear teeth on said at least one gear plate; and
  - b) said at least one gear positioner permits a user-selected positioning of at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said N unique circular sets of gear teeth on said at least one gear plate;
  - c) wherein N is a whole number greater than one.

- 17) The tool drive system according to Claim 16 wherein said at least one angle setter comprises at least one positive lock structured and arranged to positively positionally lock the at least one angle.
- 18) The tool drive system according to Claim 17 wherein said at least one rotatable first shaft further comprises a plurality of circumferential grooves.
- 19) The tool drive system according to Claim 18 wherein:
- a) said at least one gear positioner comprises at least one spring-loaded retractable-pin element structured and arranged to stabilize at least one longitudinal position of said at least one rotatable first shaft by entry into at least one said circumferential groove;
  - b) wherein at least one longitudinal position of at least one of said at least one first gear and said at least one second gear may be user selectable; and
  - c) wherein a gear ratio may be user selected.

- 20) A tool drive system comprising, in combination:
- a) at least one rotatable first shaft, comprising at least one first gear, having at least one first axis of rotation;
  - b) at least one rotatable second shaft, comprising at least one second gear, having at least one second axis of rotation;
  - and
  - c) at least one movement transferer structured and arranged to rotate said at least one rotatable second shaft when said at least one rotatable first shaft is rotated;
  - d) wherein said at least one movement transferer further comprises
    - i) at least one connector structured and arranged to connect said at least one rotatable first shaft and said at least one rotatable second shaft,
    - ii) at least one angle setter structured and arranged to set at least one angle between said at least one first axis of rotation and said at least one second axis of rotation, and
    - iii) at least one balancer structured and arranged to use opposed gear plates to balance torque transfer between said at least one first gear and said at least one second gear;

- e) wherein said at least one angle setter comprises at least one housing structured and arranged to positionally stabilize the at least one angle; and
  - f) wherein said at least one housing comprises at least one positive lock structured and arranged to positively positionally lock the at least one angle.
- 21) The tool drive system according to Claim 20 further comprising:
- a) at least one gear plate comprising at least one first unique circular set of first gear teeth on said at least one gear plate and at least one second unique circular set of second gear teeth on said at least one gear plate; and
  - b) at least one gear positioner structured and arranged to position at least one of said at least one first gear and said at least one second gear in a gear-tooth-locking relationship with a user-selected one of said at least one first unique circular set of first gear teeth on said at least one gear plate and said at least one second unique circular set of second gear teeth on said at least one gear plate.

- 22) The tool drive system according to Claim 21 wherein said at least one connector comprises:
- a) at least one bar, having at least one bar axis perpendicular to both said at least one first axis of rotation and said at least one second axis of rotation;
  - b) wherein both said at least one rotatable first shaft and said at least one rotatable second shaft are rotatably mounted to said bar.
- 23) The tool drive system according to Claim 22 wherein said at least one bar connects said housing with said at least one rotatable first shaft and said at least one rotatable second shaft.
- 24) The tool drive system according to Claim 23 wherein:
- a) said at least one housing comprises a circular periphery;
  - b) said circular periphery comprises a set of evenly-spaced teeth;
  - c) at least one of said at least one rotatable first shaft and at least one rotatable second shaft comprises at least one shaft housing element comprising at least one shaft housing tooth structured and arranged to fit between a pair of said evenly-spaced teeth; and
  - d) said at least one shaft housing tooth is removably engageable with said evenly-spaced teeth, wherein the user



may set said at least one angle.